







Figure 2

Table 2. Glycosylations Using Glycosyl Phosphates and Trimethylsilyltriflate.^a

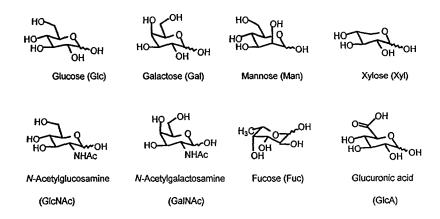
Entry	Gly∞syl Donor	Glycosyl Acceptor	Product	Yield
1	OBn BnO O O-P-OBu PivO 2β OBu	9 +0	OBn BnO PivO O 13	94
2	2β	OBn BnO OM 10 OH	OBn BnO BnO OMe BnO PivO 14	83
3	OTIPS BnO O O PivO O-P-OBU OBU	9	OTIPS BnO PivO O 15 OBn	82
4	OBn BnO TESO O-P-OBu OBu	9	BnO HO O HO O O O O O O O O O O O O O O O	71
5	2β	HS 11	BnO SEt BnO 17	90
6 ^b	OBn BnO PivO O 2α O-P-OBu OBu	9	13	87
7 ^b	2α	10	14	73
8 ^b	2α	11	17	70

 $[^]a$ Glycosylations were carried out with 1.2 equiv donor, 1.0 equiv acceptor and 1.2 equiv TMSOTf in dichloromethane at -78°C. b Reaction was carried out at -20°C.





Figure 3



ACHN OH COOH

N-Acetylneuraminic acid Sialic acid (NANA)





Figure 4





5





Glucose

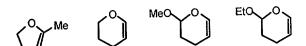
<u>Galactose</u>

<u>Lactose</u>





Figure 7



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